

10/555716

JC20 RESCPO.PTC 07 NOV 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: : Examiner:  
GUENTER SPAHLINGER :  
Serial No. :  
Filed: : Art Unit  
For: PULSE MODULATOR AND METHOD :  
FOR PULSE MODULATION :

INFORMATION DISCLOSURE STATEMENT

Commissioner For Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

In accordance with the duty to disclose information material to the examination of this application as set forth in 37 CFR 1.56, copies of the following publications are cited (and submitted, where required):

- (1) United States patent 6,317,468 (11/13/01);
- (2) Article: Tao et al., "A 400-Ms/s Frequency Translating Bandpass Sigma-Delta Modulator" (12/99);
- (3) United States patent 5,841,388 (11/24/98);
- (4) German patent DE 691 07 248 T2 (same as enclosed European patent application 0 461 721 A1(12/18/91));
- (5) United States patent 5,866,969 (2/2/99).


Documents "1" and "2" were cited in the International Search Report of September 21, 2004 issued in International patent application PCT/EP2004/004845. The present application

represents the U.S. National phase of that International application and the PCT Written Opinion of the International Searching Authority is positive with regard to the novelty, inventive step and industrial applicability of the claims of the international application as filed.

Documents "3" through "5" were cited by the German Patent Office in an office action issued March 2, 2004 in German patent application 103 20 674.4 from which the present invention claims Convention priority (through International patent application PCT/EP2004/004845).

While the art is cited herein in accordance with the Applicants' duty of candor, none of such art, either alone or in combination with any other known prior art is believed to render the invention of the present application unpatentable.

Respectfully submitted,

  
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**Form PTO-1449**  
**(REV. 2-83)**

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.  
L-409

SERIAL NO.

10/55571A

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

**APPLICANT**

**Guenter Spahlinger**

FILING DATE

GROUP

## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

			Article: Tao et al., "A 400-Ms/s Frequency Translating Bandpass Sigma-Delta Modulator", <u>IEEE Journal of Solid-State Circuits</u> , vol. 34, no. 12 (December 1999)

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.